

Work Order ID 147098

June 01, 2016 8:53:03 AM

147098

Page 1

Ship June 15

Item ID: 647.3702 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: 412 Cable Cutter System, High
 Start Date: 6/1/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 6/14/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: SH Date: 0160601 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
647.3700	NC3								
100			DAS 6 9-89	0.00					
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 647.3702								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.01							
Quality Control									

JUN 07 2016

DAS
27
9-89

JUN 14 2016

DAS
28
9-89

JUN 07 2016

DAS
27
9-89

JUN 14 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Work Order ID 147098

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Page 2

Item ID: 647.3702

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 6/14/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

130

Packaging

Packaging

0.00

Memo

0.00

Packaging

Identify and pack for shipping as per PPH 647.3702
Location: _____

sold

DAS
27
JUN 15 2016

140

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.02

MJS JUN 15 2016

SUA 6/15/16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

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Work Order ID: 147098

147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM
REV:B 15.01.26 as per ecr 14-214 DD VERF:JLM
PER REV NC3 15.03.18 JLM VERIFIED BY:DD

IPP
IPP REV:C AS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
601.3082 CR3212-4-2 *601 3082* RIVET 27 CR3212-4-1 9-89		Purchased		No			Each	0.0000	**	6 M13037D			DAS 9-89 28
647.3903 CR3212-4-2 *647 3903* Deflector Assembly 27 9-89		Manufactured		No			Each	0.0000	**	1 N6235			DAS 9-89 28
647.3801 *647 3801* 412 Upper Cutter Assy		Manufactured		No		110	Each	6.0000	**	1 1			DAS 9-89 28
DAS 27 9-89 <u>Location</u> CCK028 124726 125728 m129702 <u>Loc Qty</u> 6 1 3 2 <u>Loc Code</u> 													
647.3804 *647 3804* Lower Cutter Assy.High		Manufactured		No		110	Each	3.0000	**	1 1			DAS 9-89 28
DAS 27 9-89 <u>Location</u> cck27 141820 <u>Loc Qty</u> 3 3 <u>Loc Code</u> 													

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Work Order ID: 147098

147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

647.4410

Manufactured No

110

Each

15.0000

1

1

647 4410

Rail

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK081

15

120986

15

647.4010

Manufactured No

110

Each

19.0000

1

1

647 4010

Wiper Deflector RH

DAS
27
9-89

Location

Loc Qty

Loc Code

cck87

19

120740

17

m129721

2

647.4011

Manufactured No

110

Each

18.0000

1

1

647 4011

Wiper Deflector LH

DAS
27
9-89

Location

Loc Qty

Loc Code

cck78

18

120741

16

m129721

2

647.4110

Manufactured No

110

Each

15.0000

1

1

647 4110

Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK080

15

120987

15

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

JUN 08 2016

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Work Order ID: 147098

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Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

647.4111
647 4111
Doubler

Manufactured No

110 Each 16.0000 1 1

**

DAS
6
9-89 68-6
28
DAS

DAS
27
9-89

Location

Loc Qty

Loc Code

cck111

16

120743

16

647.4112
647 4112
Clip

Manufactured No

110 Each 4.0000 1 1

**

DAS
6
9-89 68-6
28
DAS

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK112

4

126770

4

647.4113
647 4113
Clip

Manufactured No

110 Each 4.0000 1 1

**

DAS
6
9-89 68-6
28
DAS

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK112

4

126771

4

647.4114
647 4114
Shim

Manufactured No

110 Each 37.0000 2 2

**

68-6
DAS 28
JUN 01 2016
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK112

37

120635

9

120746

28

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147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

647.4115
647 4115
Shim

Manufactured No

110 Each 22.0000 2 2

**

DAS 28
6 9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
CCK112	22	
120747	22	

2

647.4116
647 4116
Shim

Manufactured No

110 Each 20.0000 1 1

**

DAS 28
6 9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
CCK112	20	
121064	20	

1

647.4210
647 4210
Bracket LH

Manufactured No

110 Each 15.0000 1 1

**

DAS 28
6 9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
CCK112	1	
120749	1	
CCK123	14	
121086	14	

1

647.4211
647 4211
Bracket RH

Manufactured No

110 Each 15.0000 1 1

**

DAS 28
6 9-89 9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
CCK123	15	
121134	15	

1

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Work Order ID: 147098

147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

647.4311
647 4311
RH Lower Strut

Manufactured No

110 Each 3.0000 1 1

**

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK67

3

126397

3

647.4310
647 4310
LH Lower Strut

Manufactured No

110 Each 18.0000 1 1

**

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck066

18

126395

18

647.4312
647 4312
LH Upper Strut

Manufactured No

110 Each 0.0000 1 1

**

DAS
6
9-89

DAS
28
9-89

JUN 08 2016

647.4313
647 4313
RH Upper Strut

Manufactured No

110 Each 0.0000 1 1

**

DAS
28
9-89

JUN 11 2016

NAS1149FN832P
NAS1149FN832P
Washer

Purchased No

110 Each 2,007.000 34 34

**

Location

Loc Qty

Loc Code

GA

475

M133316

16

M133769

459

ST260a

1200

M134257

1200

ST264

332

M133709

332

DAS
27
9-89

DAS
28
9-89

808

34

JUN 11 2016

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Page 6

Work Order ID: 147098

147098

Parent Item: 647.3702

647.3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

2,565.000

157

157

DAS

6

DAS

9-89

28

9-89

NAS1149F0332P

Washer

DAS

27

9-89

Location

Loc Qty

Loc Code

GA

312

m133709

312

ST262

2253

m134257

253

m134676

2000

MS27039-1-07

Purchased

No

110

Each

309.0000

12

12

DAS

6

DAS

9-89

28

9-89

MS27039-1-07

Screw

DAS

27

9-89

Location

Loc Qty

Loc Code

GA

304

125654

304

Return2016

1

m127813

1

ST281

4

125654

4

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Work Order ID: 147098

147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-10

Purchased

No

110

Each

746.0000

42

42

MS27039-1-10

SCREW

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

14

m129541

14

over 006

300

m134567

300

15

OVER007

300

m134676

300

ST280

91

m134370

91

42 27

MS27039-08-08

Purchased

No

110

Each

63.0000

16

16

MS27039-08-08

Screw

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

CA

8

m130113

8

ST278

55

m134142

55

16

JUN 14 2016

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Work Order ID: 147098

147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-09

Purchased

No

110

Each

193.0000

14

14

MS27039-1-09

Screw

**

DAS 28 9-89
DAS 6 8-89
DAS 6 8-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

34

18057

34

GA

36

124859

36

ST280

123

m134167

123

MS27039-08-11

Purchased

No

110

Each

464.0000

2

2

MS27039-08-11

SCREW

**

DAS 28 9-89
DAS 6 8-89
DAS 6 8-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

300

m134676

300

ST278

164

m133769

164

MS24694-S49

Purchased

No

110

Each

222.0000

1

1

MS24694-S49

Screw

**

DAS 28 9-89
DAS 6 8-89
DAS 6 8-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

222

m129499

100

m129702

122

MS24694-C53

Purchased

No

110

Each

80.0000

8

8

MS24694-C53

Screw

**

DAS 28 9-89
DAS 6 8-89
DAS 6 8-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST285

80

m129702

80

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Work Order ID: 147098

147098

Parent Item: 647.3702

647.3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

601.3073 Purchased No

110 Each

7.0000

1 1

601.3073

Connector

**

DAS
28
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK099

7

M133781

1

M134531

1

M134739

5

AN3-4A Purchased No

110 Each

138.0000

3 3

AN3-4A

Bolt

**

DAS
28
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST350

138

m134502

138

AN3-11A Purchased No

110 Each

189.0000

8 8

AN3-11A

Bolt

**

DAS
28
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m134852

100

ST349

89

m134167

89

AN3C10A Purchased No

110 Each

16.0000

2 2

AN3C10A

Bolt

**

DAS
28
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST349

16

m134167

16

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Work Order ID: 147098

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Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-2 Purchased No
CR3212-4-2
 Cherry Rivet

110 Each 132.0000 6 6

**

DAS
6
9-89
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

132

M130388
m133363

122
10

CR3212-4-3 Purchased No
CR3212-4-3
 Cherry Rivet

110 Each 0.0000 17 17

**

DAS
6
9-89
28
9-89

DAS
27
9-89

CR3212-4-04

Purchased No

110 Each 0.0000 4 4

**

DAS
6
9-89
28
9-89

CR3212-4-4
 CHERRY RIVET
 CCR264SS-04

Purchased No

110 Each 475.0000 12 12

**

DAS
6
9-89
28
9-89

CCR264SS-04
 Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

475

123785
m129702

400
75

CCR264SS-3-03 Purchased No
CCR264SS-3-03
 Rivet

110 Each 231.0000 16 16

**

DAS
6
9-89

Location

Loc Qty

Loc Code

LG001

159

m128606
m134023

29
130

ST321

72

m134396

72

DAS
27
9-89

JUN 14 2016

DAS
28
9-89

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Work Order ID: 147098

147098

Parent Item: 647.3702

647.3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2 Purchased No

110 Each 210.0000 13 13

CR3213-4-2

Cherry Rivet

**

120936

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

192

123301

192

ST319

18

m131340

18

110 Each 264.0000 32 32

**

DAS
6
9-89
DAS
28
9-89

CR3213-4-3 Purchased No

CR3213-4-3

Rivet, Cherry

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

200

123301

0

m131340

200

CCK004

40

m130388

40

ST319

24

m129541

24

110 Each 169.0000 19 19

**

DAS
6
9-89
DAS
28
9-89

CR3213-4-4 Purchased No

CR3213-4-4

Rivet, Cherry

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

M134654

100

ST319

69

M130388

35

M134376

34

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19

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Work Order ID: 147098

147098

Parent Item: 647.3702

647.3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-5

Purchased

No

110

Each

225.0000

42

42

CR3213-4-5

Rivet

**

134497

DAS
6 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

M129913

100

ST319

125

M129913

125

CR3213-4-8

Purchased

No

110

Each

108.0000

4

4

CR3213-4-8

Rivet

**

DAS
6 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319

108

123785

108

MS21042-3

MS21042L3

Purchased

No

110

Each

22.0000

79

79

MS21042-3

Nut / use MS21042L3

**

134634

DAS
6 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

22

M129682

22

MS21042-08

MS21042L08

Purchased

No

110

Each

33.0000

18

18

MS21042-08

USE MS21042L08

**

134326

DAS
6 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

DAS
6 28
9-89

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Shop Packet Print

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Picklist Print

June 01, 2016 8:53:11 AM

Work Order ID: 147098

147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

MS21047L06

Purchased

No

110

Each

52.0000

6 6

MS21047L06

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

ST303

52

m131340

52

MS21047L08

Purchased

No

110

Each

45.0000

6 6

MS21047L08

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

ST301

45

m129702

45

MS21047-3

Purchased

No

110

Each

121.0000

4 4

MS21047-3

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

ST301

121

m134166

71

m134676

50

MS21071L3

Purchased

No

110

Each

166.0000

4 4

MS21071L3

ANCHOR NUT

DAS
27
9-89

Location

Loc Qty

Loc Code

ST299

66

m129702

66

ST301

100

125654

100

DAS
6
9-89
28
9-89

DAS
6
9-89
28
9-89

DAS
6
9-89
28
9-89

DAS
6
9-89
28
9-89

JUN 14 2016

Picklist Print

June 01, 2016 8:53:12 AM

Page 14

Work Order ID: 147098

147098

Parent Item: 647.3702

647 3702

Parent Item Name: 412 Cable Cutter System, High

Start Date: 6/1/2016

Required Date: 6/14/2016

Start Qty: 1.00

Required Qty: 1.00

601.3083 Manufactured No

110 Each 8.0000 1 1

601 3083

Adhesive Rubber Seal

DAS
27
9-89

Location

Loc Qty

Loc Code

cck009

8

m134349

8

601.1012 600.1012

Purchased No

110 Each 0.0000 1 1

601 1012

Sealant (One 6 oz)

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK096

6

m133588

6

GA

8

m134260

8

601.2045

Purchased No

110 Each 14.0000 1 1

601 2045

RTV (LOCTITE 598)McMaster p/n: 6641A41

DAS
27
9-89

DAS
6
9-89 DAS
28
9-89

DAS
6
9-89 DAS
28
9-89

DAS
6
9-89 DAS
28
9-89

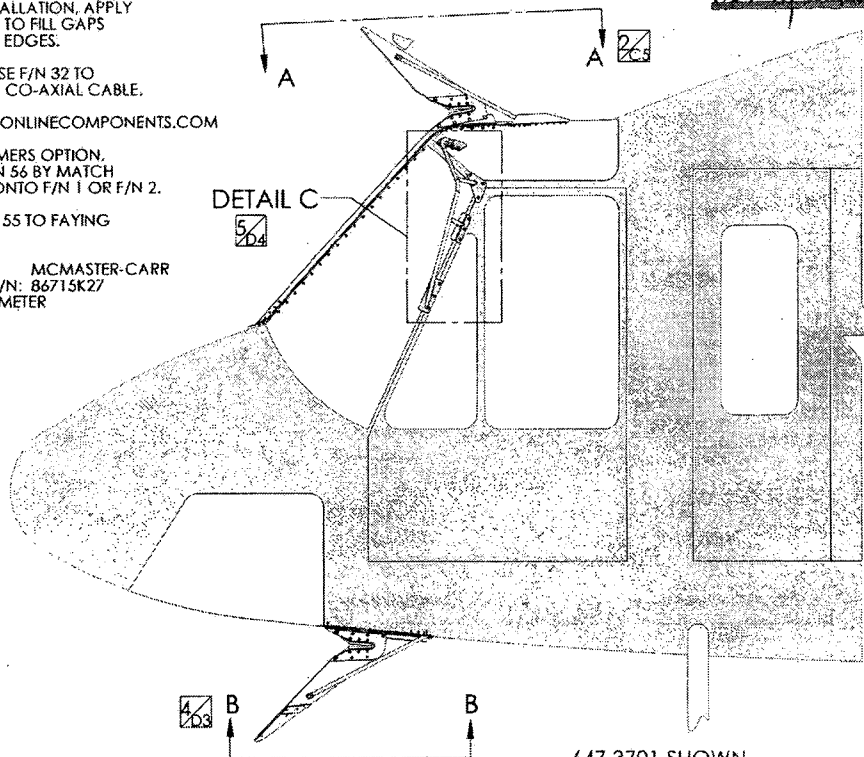
JUN 14 2016

UNINCORPORATED ECN(S)

01728, 04845, 04881

NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- 2 IF REQD, USE F/N 32 TO CONNECT CO-AXIAL CABLE.
- 3 VENDOR : ONLINECOMPONENTS.COM
- 4 AT CUSTOMERS OPTION, INSTALL F/N 56 BY MATCH DRILLING ONTO F/N 1 OR F/N 2.
- 5 APPLY F/N 55 TO FAYING SURFACES.
- 6 VENDOR : MCMMASTER-CARR
VENDOR P/N: 86715K27
60A DIUROMETER



647.3701 SHOWN

REF	REF	REF	REF	56	-647.5701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	LOCTITE 598	
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	PF-1435	
1	1	1	1	53	601.3083	ADHESIVE RUBBER SEAL	C4505.9	
4	4	4	4	52	601.2957	NUT/PLATE	MS21047.0	
4	4	4	4	51	600.0795	NUT/PLATE	MS21047.3	
6	6	6	6	50	601.3066	NUT/PLATE	MS21047.08	
6	6	6	6	49	601.3065	NUT/PLATE	MS21049.05	
18	18	18	18	48	601.2973	LOCKNUT	MS21043.05	
79	79	79	79	47	601.2943	LOCKNUT	MS21043.3	
4	4	4	4	46	601.2364	CHEERY RIVET	CR3213-4.8	
28	28	28	28	45	601.1183	CHEERY RIVET	CR3213-4.4	
16	16	16	16	44	601.1915	CHEERY RIVET	CR3213-4.5	
24	24	24	24	43	601.0790	CHEERY RIVET	CR3213-4.3	
31	31	31	31	42	601.1039	CHEERY RIVET	CR3213-4.2	
3704	3703	3702	3701	41	601.1039	CHEERY RIVET	CR3213-4.2	
				FIND	PART #	DESCRIPTION	MATL	SPEC.

[illegible]

QTY		#	PARTS LIST
NEXT ASSY (\$)	ORIGINAL DATE 05-04-1978	CA-2506	APICAL INDUSTRIES
	DRAWN BY J. JACKSON	CHECKED D. BAUER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300
	DRAWING APPROVAL B. BERRY	(Signature)	412 CABLE CUTTERS KIT
	CORRECTION NO.		SHEET 1 OF 2
	UNITS: OTHER PROVIDE SPECIES: DIMENSIONS & ALL DIMENSIONS TOLERANCES: FRACTIONS & DECIMALS SCALE: NONE		REV. N/C
			SCALE: NONE

DEFERENCE ONLY



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

ENGINEERING CHANGE NOTICE NO.

04881

SHEET 1 OF 1

DWG NO. 647.3700

REV: N/C

PREPARED BY J. BECKER

DATE: 02/26/15

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: 412 CABLE CUTTERS KIT

APPROVED BY:

ENGR

MFG:

QC

EFF.

NEXT ORDER

REASON: DELETED F/N 57, REVISED F/N 6.

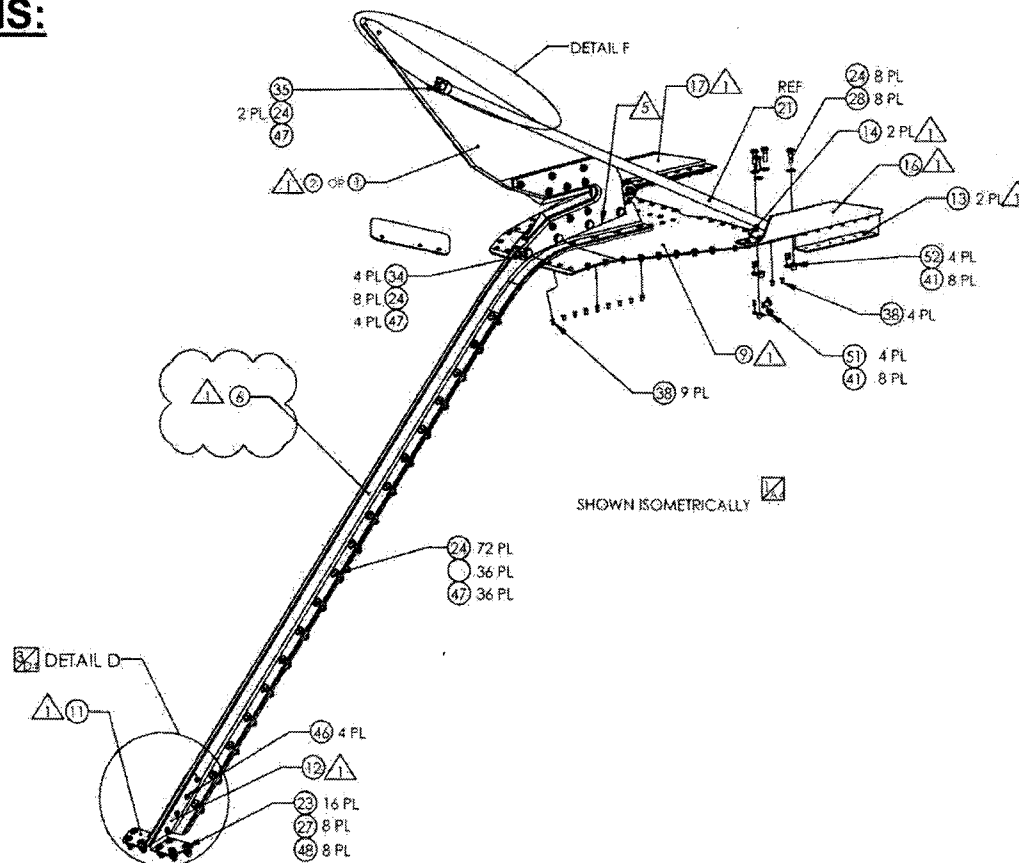
ECR:

N/A

SHEET 1, ZONE C5 IS:

ACTION ITEM:

1.



57	D	647.3916	1	1	1	1	DEFLECTOR UPPER HALF			
6	R	647.3903	1	1	1	1	DEFLECTOR ASSEMBLY			
F/N	TC	PART NUMBER	3704	3703	3702	3701	DESCRIPTION		MATERIAL	SPECIFICATION
		QTY								
DOCUMENTS EFFECTED:							CHANGE CATEGORY		DER REVIEW REQUIRED	
☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM							☐ MAJOR ☒ MINOR		☐ YES ☒ NO	

☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM

147098

June 01, 2016 8:53:03 AM

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 6/1/2016 **Start Qty:** 1.00

*** 1 ***

Cust Item ID:

Required Date: 6/14/2016 **Req'd Qty:** 1.00

*** 1 ***

Customer:

Reference:

Run Start *NR1*

Approvals:

Process Plan:

Date: 20160601 To

Tooling:

Date:

Stop *NR2*

QC:

Date:

SPC (Y/N):

Date:

[illegible]